

STATEMENT OF FACTORS BEARING ON
THE IMPLEMENTATION OF POLYGRAPH USE
IN DCI INTELLIGENCE COMMUNITY ORGANIZATIONS

1. Based on data collected from members of the Investigative Standards Working Group, more than 66,000 DCID 1/14 investigations were conducted Government-wide in 1980. During the same period, more than 19,200 reinvestigations were conducted (CIA and NSA figures are omitted from these totals).
2. Processing costs for these investigative efforts are currently estimated to be \$625.3 million annually (see Chart 1).
3. A statement from NSA shows that the cost of a full-scope polygraph examination is \$65. CIA's polygraph examination costs \$175. The difference is explained by the fact that the NSA calculations exclude costs of clerical and supervisory personnel, as well as travel and instrumentation.
4. Focusing on the counterintelligence topics shown in Annex C, CIA and NSA are both currently capable of scheduling four polygraph examinations per day. Based on the full scope of topics, CIA schedules two examinations per day while NSA schedules two and one half.
5. It is anticipated that examiners would work on the normal Government schedule of 1,812 hours or 226 1/2 days annually.
6. The ratio of supervisors and clerical support to polygraph examiners is calculated at 1:4, based on figures provided by NSA and CIA. The average grades are:

Polygraph examiners	GS-12	(\$26,951)
Clerical and Support	GS-06	(\$13,672)
Supervisors	GS-14	(\$37,871)
7. If each polygraph examiner conducts 3.5 exams per day for 226 1/2 days, the estimated annual rate of productivity in the proposed program is 792 examinations per year. Rounding off that number to 780, then 111 examiners would be needed together with 28 supervisors and 28 clerical/support personnel (see Chart 2).
8. DOD members report that the Defense Investigative Service currently has an investigative backlog of such proportions that, for the past year, it has opened 1,000 cases more per week than can be closed. If DCID 1/14, paragraph 14, is implemented, the polygraph

would be used to conduct the 19,000 periodic reinvestigations now conducted by DIS investigators. According to DIS, 851 agents currently average approximately 175 cases per year (includes SBI, BI, B-U and expanded NAC cases). If the reinvestigations make up approximately 12% of the total, then the new proposal will free 102 DIS agents immediately for other work.

9. If intelligence community organizations look to DCID 1714, paragraph 11, as their basis for using the polygraph, the average waiting time for granting initial SCI access is estimated to be 10 days. Calculated on the basis of the current cost of investigations and a 10-day waiting period, the proposed program would cost \$78.8 million annually (see Chart 1). The Investigative Standards Working Group estimates that the implementation of this proposal will save the U.S. Government approximately \$546.5 million per year. Additional savings can be gained when experience shows that an SBI may be scoped selectively.

10. Based on a 6-month commercial school, training expenses are calculated at \$12,000 per person. The Working Group believes that training costs could be less than that because of both current and future Government capabilities. Selectees must meet standards which currently exist in the Government polygraph community, including an investigative background of several years. According to NSA and CIA sources, it may be possible initially to recruit 20-30 examiners from commercial backgrounds. After an abbreviated training period, these examiners could be utilized almost immediately in the early phases of the proposed program while others go through a lengthier training process.

CHART 1

DCID 1/14 RESOURCE REQUIREMENTS

	<u>CURRENT ANNUAL COST OF DCID 1/14 INVESTIGATIONS</u>	<u>PROPOSED COST OF REVISED DCID 1/14 INVESTIGATIONS</u>
	<u>(in Millions)</u>	
DOD	\$578.7	\$71.0
OTHER ISWG ORGANIZATIONS	42.2	6.6
NON-ISWG ORGANIZATIONS	<u>4.4</u>	<u>1.2</u>
GOVERNMENT-WIDE TOTALS	\$625.3	\$78.8

CHART 2

DCID 1/14 MANPOWER REQUIREMENTS

1. 3.5 polygraph examinations per day = 780 per year
 $86,000 \div 780 = 111$ examiners
 28 supervisors
 28 clerical/support

111 X (GS-12)	\$26,951	=	\$2,991,561
28 X (GS-14)	\$37,871	=	1,060,388
28 X (GS-06)	\$13,672	=	<u>382,816</u>
TOTAL COST			\$4,434,765

2. 4 polygraph examinations per day = 906 per year
 $86,000 \div 906 = 95$ examiners
 24 supervisors
 24 clerical/support

95 X \$26,951	=	\$2,560,345
24 X \$37,871	=	908,904
24 X \$13,672	=	<u>228,128</u>
TOTAL COST . . \$3,697,377		

3. CIA Cost of Polygraph Examinations includes manpower requirements

\$175 X 86,000	=	\$15,050,000
Less salary costs	=	<u>5,543,457</u>
Cost of travel, facilities, training and instrumentation = \$ 9,506,543		

4. Machines needed at 110% of manpower, \$4,000 per machine, amortized at 4 years:

111 X 110%	=	122 X \$4,000	=	\$488,000	$\div 4 =$	\$122,000 annually
95 X 110%	=	105 X \$4,000	=	\$420,000	$\div 4 =$	\$105,000 annually

BASIS FOR CHART I CALCULATIONS

1. DOD (includes Air Force, Army, Navy, DIA, OSD, and other DOD agencies; excludes NSA)

Current:

SBI	\$365 X 61,885	= \$ 22,588,025
Re-Investigation	- \$ 53 X 17,011	= \$ 901,583
Gov't. SBI Wait	- \$ 50 X 160 X 54,371	= \$434,968,000
Contractor SBI Wait	- \$100 X 160 X 7,514	= \$120,224,000
TOTAL COST		\$578,681,608

Proposed:

SBI PG Cost	- \$175 X 62,000	= \$ 10,850,000
Re-Inv. PG Cost	- \$175 X 17,000	= \$ 2,975,000
Gov't. PG Wait	- \$ 50 X 10 X 54,371	= \$ 27,085,000
Contractor PG Wait	- \$100 X 10 X 7,514	= \$ 7,514,000
SBI	- \$365 X 61,885	= \$ 22,588,025
TOTAL COST		\$ 71,012,525

2. JUSTICE

Current:

SBI	- \$1,400 X 125	= \$ 175,000
Re-Investigation	- \$ 200 X 30	= \$ 6,000
Wait	- -0-	= \$ -0-
TOTAL COST		\$ 181,000

Proposed:

SBI PG Cost	- \$175 X 125	= \$ 21,875
Re-Inv. PG Cost	- \$175 X 30	= \$ 5,250
PG Wait	- -0-	= \$ -0-
SBI	- \$1,400 X 125	= \$ 175,000
TOTAL COST		202,125

3. FBI

Current:

SBI	- \$1,400 X 496	= \$ 694,400
Re-Investigation	- \$200 X 122	= \$ 24,400
Wait	- -0-	= \$ -0-
TOTAL COST		\$ 718,800

SBI PG Cost	- \$175 X 496	= \$	86,800
Re-Inv. PG Cost	- \$175 X 122	= \$	21,350
PG Wait	- -0-	= \$	-0-
SBI	- \$1,400 X 496	= \$	694,400
TOTAL COST			\$ 802,550

4. TREASURY

Current:

SBI	- \$1,200 X 67	= \$	80,400
Re-Investigation	- \$ 175 X 12	= \$	2,100
Wait	- -0-	= \$	-0-
TOTAL COST			= \$ 82,500

Proposed:

SBI	- \$175 X 67	= \$	11,725
Re-Inv. PG Cost	- \$175 X 12	= \$	2,100
PG Wait	- -0-	= \$	-0-
SBI	- \$1,200 X 67	= \$	80,400
TOTAL COST			= \$ 94,225

5. STATE

Current:

SBI	- \$1,500 X 500	= \$	750,000
Re-Investigation	- \$ 215 X 143	= \$	30,745
Wait	- \$ 50 X 90 X 500	= \$	2,250,000
TOTAL COST			\$ 3,030,745

Proposed:

SBI PG Cost	- \$ 175 X 500	= \$	87,500
Re-Inv. PG Cost	- \$ 175 X 143	= \$	25,025
PG Wait	- \$ 50 X 10 X 500	= \$	250,000
SBI	- \$1,500 X 500	= \$	750,000
TOTAL COST			\$ 1,112,525

6. DOE

Current:

SBI	- \$1,465 X 320	= \$	468,000
Re-Investigation	- \$ 200 X 125	= \$	25,000
Wait	- \$ 33 X 75 X 320	= \$	792,000
TOTAL COST			\$ 1,285,800

Proposed:

SBI	- \$ 175 X 320	= \$	56,000
Re-Inv. PG Cost	- \$ 175 X 125	= \$	21,875
PG Wait	- \$ 33 X 10 X 320	= \$	105,600
SBI	- \$1,465 X 320	= \$	468,000

7. COMMERCE

Current:

SBI	- \$1,200 X 25	= \$	30,000
Re-Inv.	- \$ 175 X 15	= \$	2,625
Wait	- \$ 75 X 270 X 25	= \$	506,250
TOTAL COST			\$ 538,875

Proposed:

SBI PG Cost	- \$ 175 X 25	= \$	4,375
Re-Inv. PG Cost	- \$ 175 X 15	= \$	2,625
PG Wait	- \$ 75 X 10 X 25	= \$	18,750
SBI	- \$1,200 X 25	= \$	30,000
TOTAL COST			\$ 55,750

8. OTHERS

(ACDA, AID, GSA, Interior, NASA, Agriculture, etc.)

Current:

SBI	- \$1,200 X 500	= \$	600,000
Re-Investigation	- \$ 175 X 170	= \$	29,750
Wait	- \$ 100 X 75 X 500	= \$	3,750,000
TOTAL COST			= \$4,379,750

Proposed:

SBI PG Cost	- \$ 175 X 500	= \$	87,500
Re-Inv. PG Cost	- \$ 175 X 170	= \$	29,750
PG Wait	- \$ 100 X 10 X 500	= \$	500,000
SBI	- \$1,200 X 500	= \$	600,000
TOTAL COST			\$1,217,250

9. SAF/SS

Current:

SBI	-	\$365	X	2,285	=	\$	834,025
Re-Investigation	-	\$ 53	X	1,616	=	\$	85,648
Wait	-	\$ 97	X	160 X 2,285	=	\$	35,463,200

TOTAL COST \$36,382,873

Proposed:

SBI PG Cost	-	\$175	X	2,285	=	\$	499,875
Re-Inv. PG Cost	-	\$175	X	1,616	=	\$	182,800
PG Wait	-	\$ 97	X	10 X 2,285	=	\$	2,216,450
SBI	-	\$365	X	2,285	=	\$	834,025

TOTAL COST \$ 3,733,150